

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--|------------------|---------|---------------------|
| L1 | 4 | ((("5705201") or ("4825940")).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/11/04 16:03 |
| L2 | 86 | (gas near2 (injection or inject or injecting)) near4 (vibrate or vibrating or vibration) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2009/11/04 16:13 |
| L3 | 306 | (72/54).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/11/04 17:28 |
| L4 | 712 | (72/56).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/11/04 17:28 |
| L5 | 62 | (72/710).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/11/04 17:28 |
| S1 | 1 | 2005/0251035 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2007/09/17 14:06 |
| S2 | 2 | "20050251035" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2007/09/17 14:07 |
| S3 | 100 | ((("NEIL ANDREW") near2 (SIMPSON)).INV. | US-PGPUB; USPAT | AND | ON | 2007/09/17 15:18 |
| S4 | 3 | ("4058163" "4890682" "5031699").PN. | USPAT | AND | ON | 2007/09/17 15:21 |
| S5 | 3 | ("2096234" "4619129" "6263968").PN. | USPAT | AND | ON | 2007/09/17 15:25 |
| S6 | 8 | ("2919741" "3212313" "3224086" "3643485" "4204312" "4890682" "6446323" "6907927").PN. | USPAT | AND | ON | 2007/09/17 15:36 |

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|-----|------|---|--|-----|-----|---------------------|
| S7 | 20 | ("1561418" "1569729" "1597212" "2383214" "2627891" "20020139540" "20040094312" "20040216506" "20050145390" "3818734" "4384625" "4483399" "5083608" "6012522" "6142230" "6390201" "6419025" "6457532" "6543552" "6568472" "6575250" "6695065" "6712151" "6976536").PN. | USPAT | AND | ON | 2007/09/17 15:38 |
| S9 | 486 | (72/58).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/05/27 16:25 |
| S10 | 1396 | 72/58,61,62,370.22.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2008/05/28 13:46 |
| S11 | 40 | S10 and (vibrate or vibration or vibrating) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2008/05/28 13:46 |
| S13 | 6440 | ((pipe or tube or tubular) with (expand or expansion or expanding)) and (vibrat \$4) and fluid | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2008/05/28 14:00 |
| S14 | 68 | S13 and "72".clas. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2008/05/28 14:00 |
| S15 | 278 | S13 and "166".clas. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2008/05/28 14:00 |
| S16 | 2 | ("6571870").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/05/28 15:41 |
| S17 | 2 | ("6712151").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/05/28 16:47 |
| S18 | 2 | "0201955.2" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2008/05/29 12:35 |
| S19 | 1 | "20050251035" | US-PGPUB | AND | ON | 2008/05/29 14:27 |
| S20 | 2 | "20040251035" | US-PGPUB; USPAT | AND | ON | 2008/05/29 14:51 |

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| S21 | 314 | (vibrate or vibration or vibrating) and (gas near2 (injection or injecting or inject)) and ((tube or tubing or pipe) near3 (expand or expanding or expansion)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2009/10/22 16:10 |
| S22 | 2 | ("5571348").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/11/01 13:30 |
| S23 | 2 | ("6571870" "6595296").PN. | USPAT | AND | ON | 2009/11/01 13:40 |
| S24 | 2 | ("6712151").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/11/01 13:51 |
| S25 | 35 | ("1561418" "1569729" "1597212" "20020139540" "2096234" "2383214" "2627891" "3048226" "3818734" "4058163" "4246964" "4483399" "4619129" "4716555" "4890682" "5031699" "5083608" "6012522" "6142230" "6263968" "6390201" "6419025" "6457532" "6543552" "6568472" "6575250" "6681862").PN. OR ("7350585").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/11/01 13:56 |
| S26 | 6 | (vibrate or vibration or vibrating) and (gas near2 (injection or injecting or inject) near2 fluid) and ((tube or tubing or pipe) near3 (expand or expanding or expansion)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2009/11/01 14:11 |
| S27 | 2 | ("7350585").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/11/01 14:17 |
| S28 | 159 | (vibrate or vibration or vibrating) and (gas near2 (injection or injecting or inject) near2 fluid) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2009/11/01 14:18 |
| S29 | 9 | (vibrate or vibration or vibrating) with (gas near2 (injection or injecting or inject) near2 fluid) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2009/11/01 14:19 |
| S30 | 11 | ((THOMAS) near2 (REDLINGER)).INV. | US-PGPUB; USPAT | AND | ON | 2009/11/01 14:21 |
| S31 | 3 | ((CHRISTOPHER) near2 (VREELAND)).INV. | US-PGPUB; USPAT | AND | ON | 2009/11/01 14:23 |

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| S34 | 75 | (vibrate or vibration or vibrating) with ((fluid near2 pressure) near4 vary) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2009/11/01 14:31 |
| S35 | 2 | (vibrate or vibration or vibrating) with ((fluid near2 pressure) near4 vary) with (fluid near2 volume) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2009/11/01 14:47 |
| S37 | 4 | (vibrate or vibration or vibrating) near10 (gas near2 (injection or injecting or inject) near2 fluid) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2009/11/01 14:51 |
| S38 | 5 | (vibrate or vibration or vibrating) near20 (gas near2 (injection or injecting or inject) near2 fluid) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2009/11/01 14:53 |

EAST Search History (I nterference)

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11/ 4/ 2009 7:39:38 PM

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